

OK	6			General criteria not included with nutrient specific	Surface waters of the state shall be free of water contaminants including fine sediment particles (less than two millimeters in diameter), precipitates or organic or inorganic solids from other than natural causes that have settled to form layers on or fill the interstices of the natural or dominant substrate in quantities that damage or impair the normal growth, function or reproduction of aquatic life or significantly alter the physical or chemical properties of the bottom. Surface waters of the state shall be free of oils, scum, grease and other floating materials resulting from other than natural causes that would cause the formation of a visible sheen or visible deposits on the bottom or shoreline, or would damage or impair the normal growth, function or reproduction of human, animal, plant or aquatic life. Color-producing materials resulting from other than natural causes shall not create an aesthetically undesirable condition nor shall color impair the use of the water by desirable aquatic life presently common in surface waters of the state. Water contaminants from other than natural causes shall be limited to concentrations that will not impart unpalatable flavor to fish and will not result in offensive odor or taste arising in a surface water of the state or otherwise interfere with the reasonable use of the water.	1	0							6						1	1				1	1		1	2	1						
OK	6			x	Nutrients from point source discharges or other sources shall not cause excessive growth of periphyton, phytoplankton, or aquatic macrophyte communities which impairs any existing or designated beneficial use	1	1					1	0														0									
OR	10		2007	General criteria not included with nutrient specific	Notwithstanding the WQS contained in this Division, the highest and best practicable treatment and/or control of wastes, activities, and flows must in every case be provided so as to maintain dissolved oxygen and overall water quality at the highest possible levels and water temperatures, coliform bacteria concentrations, dissolved chemical substances, toxic materials, radioactivity, turbidities, color, odor, and other deleterious factors at the lowest possible levels.	1	0						4			1				1				1	1		0									
OR	10		2007	General criteria not included with nutrient specific	The development of fungi or other growths having a deleterious effect on stream bottoms, fish or other aquatic life, or that are injurious to health, recreation, or industry may not be allowed	1	0						1				1										1					1				
OR	10		2007	General criteria not included with nutrient specific	The creation of tastes or odors or toxic or other conditions that are deleterious to fish or other aquatic life or affect the potability of drinking water or the palatability of fish or shellfish may not be allowed	1	0						2							1				1			1					1				
OR	10		2007	General criteria not included with nutrient specific	Objectionable discoloration, scum, oily sheens, or floating solids, or coating of aquatic life with oil films may not be allowed	1	0						3				1						1				0									
OR	10		2007	General criteria not included with nutrient specific	Aesthetic conditions offensive to the human senses of sight, taste, smell, or touch may not be allowed	1	0						2											1	1		0									
OR	10		2007	General criteria not included with nutrient specific	Waters of the State must be of sufficient quality to support aquatic species without detrimental changes in the resident biological communities	1	0						1				1										0									
OR	10	2007		x	Nitrates (concentration in units per liter not to be exceeded in waters of the state in order to protect human health): Water and Fish ingestion: 10mg, Drinking Water MCL: 10 mg.	2	1				1		0														0						N	N		
OR	10	2007		x	Phosphorous elemental (concentration in micrograms per liter not to be exceeded in waters of the state in order to protect aquatic life): Marine chronic criteria: 0.1 µg/L (chronic criteria refer to the average concentration for 96 hours (4 days), and that these criteria should not be exceeded more than once every three (3) years).	2	1			1			0														0						Y	N		
OR	10	2007		X	Nuisance Phytoplankton Growth. The following values and implementation program must be applied to lakes, reservoirs, estuaries and streams, except for ponds and reservoirs less than ten acres in surface area, marshes and saline lakes. The average Chlorophyll a values must be used to identify water bodies where phytoplankton may impair the recognized beneficial uses: Natural lakes that thermally stratify: 0.01 mg/l; Natural lakes that do not thermally stratify, reservoirs, rivers and estuaries: 0.015 mg/l.	2	0						2	1			1										1					1		N	N	
OR	10	2007		General criteria not included with nutrient specific	Numeric DO: Range of DO criteria from min of 5.5-8 mg/l as absolute minimum, depending on whether the area is identified as an active spawning area, an estuary, or as providing cold, cool, or warm-water aquatic life. Where conditions of barometric pressure, altitude, and temperature preclude attainment for active spawning and cold-water aquatic life areas, DO may not be less than 90% saturation. If the Department determines that adequate info exists for cold, cool, and warm aquatic life areas, 5.5-8 mg/l can be a minimum for 30-day mean, with smaller levels of DO, ranging from 4-6 mg/l, allowed as seven-day and absolute minimums.	2	0						1			1											0							N	N	
OR	10	2007		General criteria not included with nutrient specific	Narrative DO: Where conditions of barometric pressure, altitude, and temperature preclude attainment for active spawning and cold-water aquatic life areas, DO may not be less than 90% saturation. For ocean waters, no measurable reduction in dissolved oxygen concentration may be allowed.	1	0						1			1																				
PA	3	2006	2006	x	Water may not contain substances attributable to point or nonpoint source discharges in concentration or amounts sufficient to be inimical or harmful to the water uses to be protected or to human, animal, plant or aquatic life	1	0						0														0							N	N	
PA	3	2006	2006	x	In addition to other substances listed within or addressed by this chapter, specific substances to be controlled include, but are not limited to, floating materials, oil, grease, scum and substances that produce color, tastes, odors, turbidity or settle to form deposits.	1	0						6				1				1	1	1	1	1		0									
PA	3	2006	2006	x	Numeric DO standard for flowing waters, minimum daily average 6.0 mg/l; minimum 5.0 mg/l. For lakes, ponds and impoundments, minimum 5.0 mg/l. For the period February 15 to July 31 of any TSF year, minimum daily average 6.0 mg/l; minimum 5.0 mg/l. For the remainder of the year, minimum daily average 5.0 mg/l; minimum 4.0 mg/l.	2	0						1			1											0									
PR	2		2003	x	Numeric for Phosphorus - Total phosphorus shall not exceed 1 ppm (mg/l), in surface water bodies upstream from reservoirs, in segments of surface water bodies with drinking water intakes or estuarine waters except when it is demonstrated to the satisfaction of the Board that a higher value of total phosphorus in combination with prevailing nitrogen derived nutrients will not contribute to eutrophic conditions in the water body.	2	1			1			1				1									0										
PR	2		2003		The minimum flow for all WQS is the 7Q2.	2	0						1			1										0							N	Y		

[illegible]

[illegible]

Adverse natural conditions,
Overenrichment, Nutrient, Nuisance Species, Nuisance conditions, Natural Conditions
Natural conditions
Natural background

[illegible]

Natural quality
Eutrophic conditions, natural background concentration,

Natural condition
Natural conditions
§ 5105. Defined, "background conditions", "natural conditions"

§24.0201 defines "natural"
Title 117 defines "natural background", "nuisance aquatic life"

Cell: D4
Comment: Tt-Emma Buccambuso: ADEC 18 AAC 70 - Water Quality Standards.

Cell: E11
Comment: Greg Savitske:
Reg. 2.509 ¶1 satisfies the response variable for "Nuisance aquatic vegetation/algae/species"

Cell: E12
Comment: Greg Savitske:
Reg. 2.509 ¶1 satisfies the response variable for "Nuisance aquatic vegetation/algae/species"

Cell: E13
Comment: Greg Savitske:
Duplicate entry (see row 10 above)

Cell: F35
Comment: DStephan:
These Standards will apply in the DE river basin States (NJ, PA, DE). It is unclear as to if any State has adopted these standards yet.

Cell: A40
Comment: DStephan: FL has not been updated to reflect the New Rule on Numeric criteria for inland waters.

Cell: F67
Comment: DStephan:
Is this really a Nutrient-related Standard?

Cell: F107
Comment: Jennifer Koch:
couldn't seem to find a numeric in the Circular. John Dunn - Do you have any better information on this Standards?

Cell: D215
Comment: Tt-Emma Buccambuso: Alaska Water Quality criteria Manual for Toxic and Other Deleterious Organic and Inorganice Substances (2008)

State	Sum narrative nutrients	Sum narrative N	Sum narrative P	Sum narrative Nitrates	Sum narrative Phosphates	Sum narrative "nutrients"	Sum numeric nutrients	Sum numeric N	Sum numeric P
CT	4	1	2	0	0	1	2	3	0
MA	0	0	0	0	0	0	0	0	0
ME	1	0	0	0	0	1	0	4	0
NH	4	2	2	0	0	0	0	4	0
RI	2	0	0	0	1	1	1	1	0
VT	2	0	1	1	0	0	1	1	0
NJ	1	0	0	0	0	1	1	4	0
NY	2	1	1	0	0	0	0	1	0
PR	0	0	0	0	0	0	1	0	0
VI	0	0	0	0	0	0	1	0	0
DC	0	0	0	0	0	0	0	0	0
DE	3	0	0	0	0	0	3	1	0
MD	0	0	0	0	0	0	0	0	0
PA	0	0	0	0	0	0	0	0	0
VA	2	0	1	0	0	1	1	1	0
WV	0	0	0	0	0	0	1	0	0
AL	0	0	0	0	0	0	0	0	0
AR	2	0	0	0	0	0	2	1	0
FL	4	1	1	0	0	0	2	4	0
GA	0	0	0	0	0	0	2	0	0
KY	2	1	1	0	0	0	0	1	0
MS	0	0	0	0	0	0	0	0	0
NC	1	0	0	0	0	0	1	2	4
SC	1	0	0	0	0	0	1	2	4
TN	2	0	0	0	0	0	2	1	1
FL	4	1	1	0	0	0	2	1	4
IL	0	0	0	0	0	0	0	2	0
IN	0	0	0	0	0	0	0	0	0
MI	1	0	0	0	0	0	1	1	4
MN	1	0	1	0	0	0	0	2	4
OH	3	0	1	0	0	0	2	1	1
WI	3	0	1	0	0	0	2	0	1
AR	2	0	0	0	0	0	2	2	1
LA	3	1	1	0	0	0	1	0	1
NM	1	0	0	0	0	0	1	0	4
OK	2	0	0	0	0	0	2	0	1
TX	1	0	0	0	0	0	1	0	4
IA	0	0	0	0	0	0	0	0	0
KS	3	0	0	0	0	0	3	2	1
MO	0	0	0	0	0	0	0	1	0
CO	0	0	0	0	0	0	0	0	0
MT	0	0	0	0	0	0	0	3	0
ND	0	0	0	0	0	0	0	3	0
SD	0	0	0	0	0	0	0	1	0
UT	0	0	0	0	0	0	0	0	0
WY	0	0	0	0	0	0	0	0	0
AZ	1	1	0	0	0	0	0	2	4
CA	3	1	1	0	0	0	1	0	1
HI	0	0	0	0	0	0	0	22	0
NV	0	0	0	0	0	0	0	3	0
AK	0	0	0	0	0	0	0	0	0

ID	1	0	0	0	0	1	0	4	0
OR	0	0	0	0	0	0	2	0	0
WA	0	0	0	0	0	0	1	0	0

[illegible]

0	0	#REF!
0	0	#REF!
0	0	#REF!